

## ABSTRACT

A process for producing a polyester sheet by dropping a molten polyester sheet extruded from an orifice-form nozzle on a cooling roll having the grooves of a large number of micro-cracks formed on the surface, closely adhering it to the cooling roll and solidifying it on the cooling roll, wherein

the surface temperature ( $T$ , °C) of the molten polyester sheet 10 mm below the orifice-form nozzle is maintained at a temperature which satisfies the following expression (1):

$$(T_c + 20)^\circ\text{C} \leq T \leq (T_m + 40)^\circ\text{C} \quad (1)$$

wherein  $T_c$  and  $T_m$  are the falling temperature crystallization temperature (°C) and melting point (°C) of the polyester, respectively and  $T$  is as defined hereinabove, and the surface temperature of the cooling roll when it contacts the molten polyester sheet is controlled to a range of 5 to 100°C to continuously form the polyester sheet while preventing the adhesion of a sublimate from the molten polyester to the inside of the groove of each micro-crack of the cooling roll.